

POINT IN TIME REMOTE COPY FOR MULTIPLE SITES

ABSTRACT OF THE DISCLOSURE

A method for copying data to multiple remote sites includes transmitting data from a first volume in a primary storage system to a back-up volume provided in a secondary storage system. The primary storage system is located at a primary site, and the secondary storage system is located at a first remote site from the primary site. The data from the first volume in the primary storage system is copied to a second volume in the primary storage system using a point in time (PiT) as a reference point of time for the copying. The second volume is provided with a first time consistent image of the first volume with respect to the reference point of time. The data from the second volume in the primary storage system is transferred to a third volume in a ternary storage system at a second remote site. . The third volume is provided with a second time consistent image of the second volume with respect to the reference point of time, where the second time consistent image is a mirror image of the first time consistent image. The data from the third volume is transferred to a fourth volume in the ternary storage system. The fourth volume is provided with a third time consistent image. In the ternary storage, either of the third volume or fourth volume can always keep time consistent image of the first volume.

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